



THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Dent

Serial No. 09/915,895

Filed: July 26, 2001

For: **Communications System Employing  
Non-Polluting Pilot Codes**

Attorney Docket No. 4015-981

Group Art Unit 2681

Raleigh, North Carolina  
January 20, 2003

**PRELIMINARY AMENDMENT**

Commissioner for Patents  
Box Non-Fee Amendment  
Washington, D.C. 20231

Sir:

The amendments below correct clerical errors in the original application. No new matter has been added. While no fees should be required, the Patent Office is authorized to charge any required fees to Deposit Account 18-1167. Applicant respectfully requests the examiner enter these amendments.

**In the Specification**

Please replace the paragraph beginning on line 6 of page 7 with the following paragraph:

Typically, the propagation channel between a given antenna 14 and a given mobile terminal 16 comprises a number of downlink propagation paths. These multiple propagation paths, referred to as multipaths, each have characteristic attenuation, phase, and delay attributes, which may be expressed as a complex coefficient representing magnitude and phase, and a corresponding delay attribute. Thus, channel coefficient  $C_{jk}$  may be represented

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